

## Message Text

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ACTION IO-06

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TAGS: WMO

SUBJ: FIRST SESSION WMO INTERGOVERNMENTAL PANEL ON THE FIRST  
GARP GLOBAL EXPERIMENT (FGGE)

PLEASE PASS ALSO TO NOAA (JOHNSON) AND NASA (TEPPER)

1. SUMMARY: THE FIRST SESSION OF THE WMO PANEL FOR THE FIRST  
GARP GLOBAL EXPERIMENT WAS HELD IN GENEVA OCT 7-11, 1974.  
IT REVIEWED THE SCIENTIFIC OBJECTIVES, THE OVERALL PLAN FOR  
THE EXPERIMENT AND THE INTENTIONS OF GOVERNMENTS REPRESENTED  
ON THE PANEL TO PARTICIPATE IN THE EXPERIMENT. END SUMMARY.

2. ALL MEMBERS OF THE PANEL TOOK PART IN THE SESSION. THESE  
INCLUDE AUSTRALIA, BRAZIL, CANADA, FRANCE, FRG, JAPAN,  
NIGERIA, UK, USSR, USA AND REPRESENTATIVES OF ESRO; ICSU;  
THE JOC; SCOR AND WMO. B. GOSSET (FR) WAS ELECTED CHAIRMAN.

3. DURING THE DISCUSSION ON THE SCIENTIFIC OBJECTIVES, THE  
PANEL CONSIDERED THE POSSIBLE CONTRIBUTION OF FGGE TO THE  
GARP OBJECTIVE OF UNDERSTANDING THE PHYSICAL BASIS OF CLIMATE  
AND CLIMATE CHANGE, AS WELL AS THE OBJECTIVE OF IMPROVED  
AND EXTENDED WEATHER FORECASTS. IT AGREED THAT, WHILE THE  
LATTER REMAINS THE PRIMARY FOCUS OF THE FGGE, THE EXPERIMENT  
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PROVIDES A SIGNIFICANT OPPORTUNITY TO MAKE PROGRESS TOWARD

THE CLIMATE OBJECTIVES. THE PANEL RECOGNIZED THAT A SIGNIFICANT OCEANOGRAPHIC COMPONENT IN THE EXPERIMENT WOULD BE REQUIRED TO MEET THESE OBJECTIVES. ACTION WAS INITIATED TO FURTHER DEVELOP SPECIFIC PLANS TO MEET THE CLIMATE OBJECTIVE, FOLLOWING UP ON THE RECOMMENDATIONS OF THE RECENT GARP STUDY CONFERENCE ON CLIMATE (STOCKHOLM, AUGUST 1974).

4. THE PANLE APPRECIATED THAT THE EXPERIMENT WOULD DEPEND SIGNIFICANTLY ON THE WORLD WEATHER WATCH, A MAJOR WMO PROGRAM. IT URGED THAT FULLEST POSSIBLE IMPLEMENTATION AND MONITORING OF THIS PROGRAM BE CARRIED OUT IN ANTICIPATION OF THE FGGE PERIOD 1977-79. THE VAP WAS SEEN TO BE ESPECIALLY IMPORTANT IN THIS REGARD.

5. IN ADDITION TO THE WORLD WEATHER WATCH AND THE INTERNATIONAL ARRAY OF METEOROLOGICAL SATELLITES IN BEING OR PLANNED, A NUMBER OF SPECIAL OBSERVING SYSTEMS MUST BE DEPLOYED IN ORDER TO OBTAIN THE REQUIRED GLOBAL DATA. THESE INCLUDE A NUMBER OF HIGH TECHNOLOGY DEVICES SUCH AS STRATOSPHERIC BALLOON SONDES AND DRIFTING OCEAN BUOYS, WHICH WILL COMMUNICATE THEIR OBSERVATIONS AND LOCATIONS VIA SATELLITE.

6. US DATA SYSTEMS TEST IN 1975 WILL SIMULATE MOST OF PRINCIPAL COMPONENTS OF FGGE AND WILL PROVIDE CRITICAL INFORMATION FOR FURTHER DEVELOPMENT OF THE OBSERVING, DATA MANAGEMENT, AND DATA UTILIZATION PLANS.

7. THE PANEL ADOPTED TIME SCHEDULE FOR PRINCIPAL PHASES OF EXPERIMENT. THESE INCLUDE A BUILD-UP PHASE OF APPROXIMATELY ONE YEAR, BEGINNING IN LATE 1977, TO BE FOLLOWED BY OPERATIONAL PHASE OF ONE YEAR. THE OPERATIONAL PHASE INCLUDES TWO INTENSIVE OBSERVING PERIODS OF APPROXIMATELY ONE MONTH EACH, DURING WHICH ALL SPECIAL OBSERVING SYSTEMS WILL BE DEPLOYED, INCLUDING THOSE RELATED TO REGIONAL EXPERIMENTS SUCH AS THE MONSOON EXPERIMENT (MONEX) AND THE POLAR EXPERIMENT (POLEX).

8. PANEL MEMBERS CONFIRMED THE INTENTIONS OF THEIR GOVERNMENTS TO PROVIDE THE REQUIRED METEOROLOGICAL SATELLITE SYSTEMS. AT THIS TIME, THE NUMBER OF SHIP STATIONS, DRIFTING OCEAN BUOYS AND CONSTANT LEVEL BALLOON THAT HAVE BEEN PLEDGED UNCLASSIFIED

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IS INSUFFICIENT TO PROVIDE THE COMPLETE COVERAGE FORESEEN IN THE INTIAL PLANS.

9. A PLAN OF ACTION WAS PROPOSED FOR FUTURE ACTIVITIES OF THE PANEL AND THE RECENTLY ESTABLISHED GARP ACTIVITIES OFFICE OF WMO SECRETARIAT, WHICH IS RESPONSIBLE FOR TECHNICAL SUPPORT TO THE PANEL. A KEY ELEMENT OF THESE PLANS IS THE CONVENING IN LATE 1975 OF A WORLD-WIDE CONFERENCE TO SECURE PARTICIPATION

IN THE EXPERIMENT OF ALL WMO MEMBERS. (THIS CONFERENCE HAD BEEN ENVISAGED BY THE WMO EXECUTIVE COMMITTEE). THE NEXT SESSION OF THE PANEL, TENTATIVELY SCHEDULED TO TAKE PLACE NOT LATER THAN OCTOBER 1975, WILL EMPHASIZE PREPARATIONS FOR THE WORLD-WIDE CONFERENCE.

10. WHILE RESULTS OF SESSION ARE CONSISTENT WITH US POSITION, ONLY LIMITED PROGRESS WAS MADE. THIS PARTLY ATTRIBUTED TO THE ORGANIZATIONAL NATURE OF THIS FIRST SESSION AND TO THE PRELIMINARY CHARACTER OF THE PLANNING. THE PANEL TOOK STEPS TO STRENGTHEN ITS TERMS OF REFERENCE AND TO SET OUT ITS METHODS OF WORK SO AS TO IMPROVE BETWEEN-SESSION ACTIVITIES AND THE PREPARATORY WORK FOR ITS SESSIONS. IT CAN BE HOPED THAT AS BROADER PARTICIPATION IN THE PROGRAM BECOMES MANIFEST, THE NECESSARY RESOURCES WILL BECOME AVAILABLE TO ACHIEVE THE GOALS OF THE PROGRAM. THE PROPOSED PLAN OF ACTION WAS DESIGNED TO BROADEN PARTICIPATION IN THE PROGRAM AND ACCELERATE THE PLANNING.DALE

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